Date: Mon, 25 Jan 93 17:10:04 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #105
To: Info-Hams

Info-Hams Digest Mon, 25 Jan 93 Volume 93 : Issue 105

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 Jan 93 12:29:27 GMT
From: ogicse!mintaka.lcs.mit.edu!ai-lab!silver.lcs.mit.edu!johnp@network.UCSD.EDU
Subject: Address for ANLI Antennas My Rubber Ducky segment broke on the Al-800
To: info-hams@ucsd.edu

--
johnp@silver.lcs.mit.edu | Its not impossible, just improbable

johnp@pro.angmar.uucp | (Zaphod Beeblbrox)
bl298@cleveland.freenet.edu | N1NIG@amsat.org (Being a Ham is so grand)

Date: 24 Jan 93 17:19:50 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!spool.mu.edu!hri.com!
noc.near.net!nic.umass.edu!news.mtholyoke.edu!mhc.mtholyoke.edu!
wvogel@decwrl.dec.com
Subject: antenna use
To: info-hams@ucsd.edu

has anyone tried to modify a vhf/uhf tv antenna for use on 2mtr/70cm

if so what kind of luck did or did you not have

thnx in advance

de wayne

1 xmtr shy of a station

Date: 24 Jan 93 14:47:44 GMT
From: ogicse!emory!swrinde!gatech!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!
wvanhorn@network.UCSD.EDU
Subject: Any other W9RG DSP Filter users on the Net ?
To: info-hams@ucsd.edu

In article <9301201443.utk24379@FAB8.intel.com> RHAREL@FAB8.INTel.COM (RICHARD
HAREL) writes:
>I'm in the middle of building the W9RG DSP filter and would
>like to correspond with others on the net who have built the unit
>who can offer any input that would help optimize it's performance.
>73,
>Rich
>WB2JBS
>rharel@fab8%sc.intel.com

To: Rich - WB2JBS
From: Van - W8UOF

After building the W9GR DSP system, I will pass on my observations for
whatever they may be worth. Perhaps you noticed the posting made by my
son, Bill Van Horne, on this same subject. I agree with his observa-
tions.

I found the kit quite complete and the instructions very adequate. I might add that I have never before built a kit on a printed circuit board, although about 15 years ago I built a large display digital clock using wire-wrapping techniques and TTL chips. That was the only other electronic construction I had done since vacuum tube days before tackling this project.

I had no problems with soldering, but was extra careful to use a bare minimum of solder on each connection. I inspected each under a magnifier before going to the next.

I have the following specific suggestions:

1. Contrary to previous postings, I did not find the power excessive for a Radio Shack wall-plug type 500 ma. 12v. power supply. I did use an extra 4700 mfd filter capacitor across the input terminals.

2. I used the larger size, steel, cabinet available from Radio Shack, rather than the one recommended because the latter was too confining for my taste. My cabinet is 6" x 8" x 3".

3. The only real problem I had was mounting the LED bar display on the front panel. The suggested way of bending the legs of the supplied socket was a disaster, and I can't see that it would ever be anything but a terrible kluge. I made a sub-chassis out of a small piece of perf board with 0.1" perforations. The leads from the display exactly fit the holes. After putting the display chip on the perf board, the leads barely project through the under side, but are long enough to allow one to wire-wrap or solder onto them using fine wire. (I used #30 teflon wire-wrap type). I twisted the ten pairs of wires together into a kind of cable and soldered them into the holes in the main p.c. board. Then I mounted the sub-chassis behind the front panel on 1/4" spacers. That way, its front surface is flush with the front panel through a rectangular hole that I cut with a nibbler tool.

   This was not the neatest way of doing the job. A friend who also built one of these did a better job: he mounted a standard DIP socket in the holes on the p.c. board, then made up a 20-pin header with a length of 20-conductor computer type flat cable to run to the LED's which he mounted on the front panel. That is doing it the right way, but mine worked ok.

4. I found the indicator lights and especially the LED bars too bright. Instead of 330 ohm load resistors on each LED, a value of about 1000 ohms would be better. My friend mentioned in the

paragraph above found the same and suggested the solution to me.

5. In the main instruction booklet, W9GR passed on two suggestions offered by other users to reduce some 10 khz. feed-through that is annoying in hi-fi headsets. I discovered the same thing, and made the suggested modifications. I am not sure, however, that they are worth the trouble. Also they involve cutting traces on the p.c. board, and other delicate operations that most builders will want to avoid.

6. My only criticism of the design is the clumsy method of switching operating modes. Others have commented about this, and I agree with their criticisms. I am sure future models will incorporate improvements.

The end result is everything I had been led to expect, and then some! The effect of the noise cancellation on a marginal SSB signal is quite striking. My son's posting said it was like the quieting one hears when he tunes in an FM signal. I agree that it can be almost that dramatic. Others have noted that DSP is not magic and it will not magically drag an unreadable signal up out of the noise and make it hi-fi. That is true, but it is also true that many signals that are fading in and out of the noise so that only 50 percent of the words are understandable can be boosted to maybe 70-80 percent and that can make a difference between a reasonably satisfactory and a totally unsatis-factory QSO.

My main interest is CW and digital modes. I use the narrow filters in cascade with the 500 khz. i.f. filters in my Kenwood TS940 on both CW and AMTOR. The idea that filters can be that narrow (down to 70 herz!) and still not ring is mind-boggling to me.

W9GR has done a real service to the ham community in my opinion, and I will use this medium to thank him for it.

Good luck, and 73, Van - W8UOF
wvanhorn@magnus.acs.ohio-state.edu

Date: 23 Jan 93 20:52:58 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 22 January
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 022, 01/22/93
10.7 FLUX=104.2 90-AVG=140 SSN=049 BKI=0211 1222 BAI=004
BGND-XRAY=B1.1 FLU1=1.2E+05 FLU10=1.0E+04 PKI=0211 1223 PAI=005

```
  BOU-DEV=004,012,008,006,006,011,015,016   DEV-AVG=009 NT     SWF=00:000
 XRAY-MAX= B1.5   @ 2040UT    XRAY-MIN= B1.0   @ 1910UT   XRAY-AVG= B1.1
NEUTN-MAX= +003%  @ 2210UT   NEUTN-MIN= -002%  @ 0110UT  NEUTN-AVG= +0.3%
  PCA-MAX= +1.7DB @ 0015UT     PCA-MIN= -0.4DB @ 0840UT    PCA-AVG= +0.0DB
BOUTF-MAX=55415NT @ 1558UT   BOUTF-MIN=55390NT @ 1932UT  BOUTF-AVG=55406NT
GOES7-MAX=P:+112NT@ 1952UT   GOES7-MIN=N:+005NT@ 1003UT  G7-AVG=+081,+028,+010
GOES6-MAX=P:+131NT@ 1919UT   GOES6-MIN=E:-010NT@ 1920UT  G6-AVG=+098,-000,+037
 FLUXFCST=STD:105,105,110;SESC:105,105,110 BAI/PAI-FCST=005,005,015/007,010,015
    KFCST=1112 3111 1112 3111  27DAY-AP=002,003   27DAY-KP=0011 1210 0012 1210
 WARNINGS=
   ALERTS=
!!END-DATA!!
```

Date: 24 Jan 1993 10:31:50 -0500
From: saimiri.primate.wisc.edu!sdd.hp.com!nigel.msen.com!hela.iti.org!
cs.widener.edu!widener!nobody@ames.arpa
Subject: FTP site for radio mods
To: info-hams@ucsd.edu

Does anyone know of an FTP site where mods for assorted radios can be
downloaded from? As well as any other interesting ham stuff?

73,

stuart b. tener, N3GWG (N3GWG @ K3PGB, packet)
tener@cs.widener.edu
(215)-338-6005

Date: 24 Jan 1993 03:12:12 -0500
From: news.mtholyoke.edu!mhc.mtholyoke.edu!wvogel@uunet.uu.net
Subject: General Class Licence - HELP!!!!
To: info-hams@ucsd.edu

the Radio Shack general ham test book is very good also if you have ftp
access you can get hamexam.zip which contains all the questions and
autocw to help you with your code

wvogel@mtholyoke.edu

1 xmtr shy of a station

Date: 24 Jan 1993 14:12:09 GMT

From: news.larc.nasa.gov!grissom.larc.nasa.gov!kludge@ames.arpa
Subject: Ham Radio Causes Cancer
To: info-hams@ucsd.edu

In article <1993Jan23.190232.4275@news.columbia.edu> baw2@cunixb.cc.columbia.edu (Bruce A Weisberg) writes:
>
>   The key here is that you should always stay as far away as possible
>(remember, I said *as possible*) from ANY transmitting antenna, regardless of
>pwr or freq. Some freq's are more hazardous than others, but this is stiil
>under investigation.

Well, after a lifetime of climbing up energized AM towers, I haven't noticed anything but a few RF burns, and there are a lot of other AM broadcast engineers who have been doing the same thing.

That's not to say that ham radio can't cause cancer... if you are cleaning tube sockets with benzene and storing lots of leaking, PCB-laden capacitors in your garage, you might be at risk. Wash your hands after handling solder, too.
--scott

Date: 23 Jan 93 20:46:00 GMT
From: olivea!sgigate!sgi!cdp!dnafissian@ames.arpa
Subject: Hams: Contact in Somalia?
To: info-hams@ucsd.edu

TO: Ham radio operators of the world

FR: David Nafissian, Across Network Facilitator,
     The PLANET Project (sm)
     >> People Linking Across Networks <<

RE: CONTACTS IN SOMALIA??

Allow me to introduce the PLANET project:

PLANET is a consortium of educational telecommunications networks dedicated to exploring cross-network communication.

The AT&T Learning Network, Learning Link, Big Sky Telegraph, TENET (Texas statewide educational network), the International Education and Resource Network (I*EARN), and the FrEdMail (FRee EDucational electronic MAIL) Network are creating an infrastructure across which teachers and students may collaborate on each other's ** humanitarian,

multicultural, action-oriented telecommunications projects.**

We are currently running a project dedicated to the exchange of
information and support and assistance between the students of
Somalia and the students of the rest of the world.

However, we are relying on news media for our information coming
out of Somalia, as we are having difficulty establishing an email
link in Somalia. This one-way communication is insufficient for
our goals.

A fellow networker writes:

> [A] ham radio operator with a internet link can take an email message,
> put it into his PC, and have the PC tap out the morse code directly
> from the ascii file. Similarly, incoming morse can be translated into
> an ascii file and then dumped on to internet.

Do any of you hams have 1) a ham contact in Somalia, and 2) an
internet address, and 3) the willingness to help potentially
thousands of students to broaden themselves, and be of service
to the world?

Please send replies to David Nafissian at dnafissian@igc.apc.org.

Thanks and Happy New Year.

--David

Date: 24 Jan 93 17:07:54 GMT
From: ogicse!emory!swrinde!cs.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: Hey kd1hz@anomaly.sbs.com! Here's a Q code for ya!
To: info-hams@ucsd.edu

FAH Q!

Peter Laws|GEnie:P.LAWS1|"Finally: one of our guys is |plaws@uafhp.uark.edu
n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

---

Date: 24 Jan 93 15:42:33 GMT
From: phsbbs!n2gj@princeton.edu
Subject: Marge Simpson's sister is a ham

To: info-hams@ucsd.edu

(Perhaps we should rename this subject "References to ham radio in media")?

My contribution to this thread is a Motel 6 radio spot by Tom Bodet (sp) that cites, as an example of why you should stay at Motel 6 instead of relatives, the experience of having to share the basement with an uncle's ham radio set....

Anyone else hear that one?

73, Gerry

Gerald J. Jurrens N2GJ | Black holes are where God divided by zero!
Mathtech/Box 147 | Internet : n2gj@phsbbs.princeton.nj.us
Kingston, NJ 08528-0147 | Packet   : N2GJ@KB1BD.NJ.USA.NOAM
(609) 520-3847 office | GEnie   : G.JURRENS

Date: 25 Jan 93 22:41:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: New Keplerians for RS-10, RS-12?
To: info-hams@ucsd.edu

Could someone please send me Keps for RS-10/11 and RS-12/13?
I need ones that are from sometime in 1993. My tracking program, Quicktrack, dropped a day at the end of the 1992, and I need '93 Keps to get the program "fixed."

Thanks--Jim, K6ZH

Date: 24 Jan 93 01:55:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #258
To: info-hams@ucsd.edu

Approved: rec-radio-info@ve6mgs.ampr.ab.ca

BID : $RACESBUL.258

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)
       ALL AMATEURS U.S. (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6HIR @ WA6NWE.CA)
       2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
       Landline BBS open to all: (916) 262-1657
RACESBUL.258 DATE: Jan. 25, 1993
SUBJECT: MGT - The importance of planning - part 2/2

Once the communications plan is developed, it must be given the widest possible dissemination and tested for effectiveness through drills and exercises. If it does not work well then it must be either modified, or the users must be better trained and drilled, or a combination of both must occur.

It has been my experience that following most major incidents there is a need to make adjustments to standard operating procedures. Sometimes this means updating basic data or modifying actual procedures. This is why SOP's should not be buried within or threaded throughout any plan. A plan should be the basic foundation and framework. The SOP's, operation manual, or similar documents are the furnishings attached to a plan. This is why well written plans and SOP's require frequent review, exercising, and updating. Operations frequently fail or are considerably less than optimum if this is not done. SOP's are best written by people who have experience in carrying them out.

A final word to tease the semanticists. Planning is planning, right? Then what, pray tell, is preplanning? Is this where one contemplates to plan? Why not drop the "pre" and get right to it! ---Stanly E. Harter, KH6GBX

EOM

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races and can be retrieved using FTP.

Date: Mon, 25 Jan 1993 02:52:30 GMT
From: anomaly.sbs.com!n1mpq@uunet.uu.net
Subject: Real NoCodes
To: info-hams@ucsd.edu

adam@wam.umd.edu (Adam L. Greenberg) writes:

>I'm sorry, but FUCK YOU seems to be the only appropriate response.

>I've never done any of those things.

>I'm a nice person but don't piss me off.

>Mr. High and mighty, stay on HF. We appreciate the over here on 2m.

>--N3NKI

And with attitudes like yours, that is exactly why we want to get the fuck
OUT of 2m. Grrrrrrrr......

Tony Pelliccio
n1mpq/aa Control Operator for 2x2ARA, Providence, RI
And yes, my 2x2 call is on the way, thank gh0d! I'd hate to be associated
with a no-code N#xxx call like yours. Eeeewww!

Date: Mon, 25 Jan 1993 02:48:40 GMT
From: anomaly.sbs.com!kd1hz@uunet.uu.net
Subject: Real NoCodes
To: info-hams@ucsd.edu

adam@wam.umd.edu (Adam L. Greenberg) writes:

>I'm sorry, but FUCK YOU seems to be the only appropriate response.

Yup, the typical CB-transplant response.

>I've never done any of those things.

I never said >YOU< did. But, no-codes in this area have. In fact, I've got
a new one:

> Real no-codes think "home-brewing" means the no-code whom they're
> going to "have an eyeball with" will be making the mocha-java, so
> there is no need to pick some up on the way over.

>I'm a nice person but don't piss me off.

Why? Do you go around cutting coax on people you don't like?

>Mr. High and mighty, stay on HF. We appreciate the over here on 2m.

Nah, we stay on our private UHF repeater.

MD
--
-- Michael P. Deignan, KD1HZ
-- Domain: mpd@anomaly.sbs.com
--   UUCP: ...!uunet!anomaly!mpd
-- Telebit: +1 401 455 0347

```
------------------------
-  I'm not a bigot,    -
-  I hate everyone...  -
------------------------
```

Date: 24 Jan 93 10:21:08 GMT
From: mcsun!sunic!chalmers.se!etek.chalmers.se!etek.chalmers.se!
e2rosa1@uunet.uu.net
Subject: Searching satellite software for the MacIntosh
To: info-hams@ucsd.edu

Hello fellows !

I am looking for ham-radio software for the MacIntosh computer
(UNIX would do too :-)), especially a satellite tracking program,
which is available via anonymous FTP. I have checked ucsd.edu,
standford.edu and ftp.cs.buffalo.edu but found nothing of interest
in this particular genre.

Any help is appreciated !

73 de SM6SWU / ROBERT

Date: 23 Jan 93 21:52:23 CST
From: ucselx!sol.ctr.columbia.edu!spool.mu.edu!wupost!crcnis1.unl.edu!
moe.ksu.ksu.edu!kuhub.cc.ukans.edu!wsuhub.uc.twsu.edu!shourbaji@network.UCSD.EDU
Subject: using glass mount antennas
To: info-hams@ucsd.edu

A note about through the glass antennas:

Take a look around next time you are driving and notice how many cell phone
antennas there are. Most of them are glass mounts. If there was a flaw
in the idea of using through the glass antennas, I don't think they would
be that prominent.

I personally own two of the Larsen dual band antennas. They have been on my
cars for about 1 year with no problems.

A couple of things to keep in mind whenn installing any glass mount:

1 : Make sure the glass is CLEAN!.
2 : Make sure the glass is warm (room temp). The Larsen instructions point thi out. The also mention to use a blow dryer if it is cold. I installed my antennas DEC 26 1991 (presents) and used the blow dryer to heat the glass and kept all parts for the antenna in the house until I was ready to apply it. This method has worked well for me.

Larsen offers a 1 year warranty on the antennas and offers re-mount kits if they are needed. I'm sure if you can recover the missing pieces, Larsen would be happy to give / sell you the re-mount kit.

I know 2 other people with the same antennas and they have experienced no trouble with them. I'm not flaming anyone, but I think with a little care, anyone will get years of service out of any glass mount.

Date: 25 Jan 93 14:54:48 GMT
From: news-mail-gateway@ucsd.edu
Subject: What Amateur Radio books should a library have?
To: info-hams@ucsd.edu

>Our local library system does not stock any new Amateur Radio books
>published within the last 10 years. Most of the stuff is circa
>1976-1979. I'll try and recommend these 3 titles to my library and maybe
>, just maybe, they'll buy a copy or two.

You could stack the deck by donating a copy yourself.

It's as good excuse to buy a new handbook as any. 8)

Callbooks go into the reference (can't check out) section....we will be putting the club's 1993 books into the public library next year.

It's probably a good idea to inventory the target library first to see what's on the shelves and to check for what's checked out - You may also want to spread the contributions around (as in the case of old handbooks) or target a single library to get it as complete and up to date as possible.

Date: 24 Jan 93 23:16:58 GMT
From: ogicse!emory!swrinde!zaphod.mps.ohio-state.edu!news.acns.nwu.edu!
casbah.acns.nwu.edu!rdewan@network.UCSD.EDU
To: info-hams@ucsd.edu

References <C12D8s.8Dw@constellation.ecn.uoknor.edu>,

<14570594@hpnmdla.sr.hp.com>, <C1DBEA.Bv6@constellation.ecn.uoknor.edu>
Subject : Re: I PASSED!!! (was Format of Code Exams?)

In article <C1DBEA.Bv6@constellation.ecn.uoknor.edu> jahern@geohub.gcn.uoknor.edu
writes:
>
>In article <14570594@hpnmdla.sr.hp.com> donrm@hpnmdla.sr.hp.com (Don Montgomery)
writes:
>>In rec.radio.amateur.misc, jahern@geohub.gcn.uoknor.edu (Jud Ahern) writes:
>>
>>   [...]
>>>   tricky, like: His QTH was Mississipi (T/F?) Answer: False, it was
>>>   Mississippi). I got all 10 right, but the 10th was a lucky guess.
>>
>> remarks by Jud deleted
>
>Sorry, I guess I didn't make myself very clear. The Mississippi case
>was just an example of how a T/F could be very difficult. I don't
>know what questions they actually used, since the next month, when
>I took my exam, they had gone back to multiple choice. Some of these
>were quite easy (choices like: Susan, Bob, Ralph, George); One of
>the callsign questions was difficult (but fair enough): KA9GQ, KA9QG,
>KA4GQ, KA4QG. I'm sure some people transpose letters and/or mix up
> ...

My test QSO was interesting: The calling ham's name was Harold and
that of the one called was Howard. Harold was in New Albany, IN. Well
you get the idea... When I saw the multiple choice exam, I was glad that
I had a 1 min solid. It was a W5YI coordinated session in which the VEs
had made their own tapes. During the exam I was convinced that the tape
code was at 25wpm... :)   All's well that ends well...

Rajiv
aa9ch
Address: r-dewan@nwu.edu
Phone: None. Only CW.

Date: 24 Jan 93 16:33:44 GMT
From: agate!spool.mu.edu!nigel.msen.com!hela.iti.org!cs.widener.edu!dsinc!ub!csn!
teal!quent@ames.arpa
To: info-hams@ucsd.edu

References <1993Jan20.20708.22965@ms.uky.edu>,
<1993Jan21.054108.24783@wam.umd.edu>, <C16zpK.1t1@ms.uky.edu>X
Subject : Re: DJ580T DSM question

miles@ms.uky.edu (Stephen D. Grant) writes:

>I believe you can use all alphabet letters, numbers, and the *, and #

I thought the only alphabetics were A - D. How do you get the others?

End of Info-Hams Digest V93 #105
****